

RECEIVED  
CENTRAL FAX CENTER

OCT 02 2007

32692

Customer Number

Patent  
Case No.: 58688US004

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: HAUPTMANN, HOLGER  
Application No.: 10/560702 Confirmation No.: 1948  
Filed: June 9, 2004  
Title: UNIFORMLY COLOURED CERAMIC FRAMEWORK AND COLOURING  
SOLUTION

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

## CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR § 1.8(a)]

I hereby certify that this correspondence is being:

- ☒ transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at 571-273-8300.  
☐ transmitted to United States Patent and Trademark Office on the date shown below via the Office electronic filing system.

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

10/2/07  
Date

Signed by: Sean Edman

Dear Sir:

This is in response to the outstanding Office Action, dated April 2, 2007, in the above-identified application.

Fees

- ☐ Any required fee will be made at the time of submission via EFS-Web. In the event fees are not or cannot be paid at the time of EFS-Web submission, please charge any fees under 37 CFR § 1.17 which may be required to Deposit Account No. 13-3723.  
☒ Please charge any fees under 37 CFR §§ 1.16 and 1.17 which may be required to Deposit Account No. 13-3723. (One copy of this sheet marked duplicate is enclosed.)  
☒ Please charge any additional fees associated with the prosecution of this application to Deposit Account No. 13-3723. This authorization includes the fee for any necessary extension of time under 37 CFR § 1.136(a). To the extent any such extension should become necessary, it is hereby requested.  
☒ Please credit any overpayment to the same deposit account.

10/04/2007 RHEBRAHT 00000017 133723 10560702  
01.FC:1253 1050.00 DA

OCT 02 2007

Application No.: 10/560702

Case No.: 58688US004

Request for Extension of Time

Under the provisions of 37 CFR § 1.136(a), Applicant(s) petitions to extend the period for filing a reply in the above-identified application as follows:

- ☐ 37 CFR § 1.17(a)(1) - Extension within first month.
- ☐ 37 CFR § 1.17(a)(2) - Extension within second month.
- ☒ 37 CFR § 1.17(a)(3) - Extension within third month.

Fees Associated with Extension

Payment of the fee for any requested extension is authorized in the above fee section.

Application No.: 10/560702

Case No.: 58688US004

view of the different subject matter), he still would not have added the PEG derivatives described by Williams to the slurry described by Garcia in order to improve the sintering deformation.

The *Schrewelius* reference is not helpful in curing this deficiency. This reference simply teaches that heating a molybdenum disilicide article may result in a product with good strength. If the skilled person had taken this reference into consideration, as suggested by the Examiner, he might have added bentonite powder to either the ceramic framework or the coloring solution in order to avoid an oxidation process (column 3, lines 30-34). However, there is no indication in this reference that the addition of PEG might improve the sintering process.


For these reasons, Applicants submit that the pending claims are patentable over the cited references, either alone or in combination. The § 103 rejection should, therefore, be withdrawn.

#### Conclusion

In view of the foregoing, Applicants believe that the application is now in the condition for allowance. Such action is respectfully requested.

Respectfully submitted,

Oct. 2, 2007  
Date

By:   
Sean Edman, Reg. No.: 42,506  
Telephone No.: 651-575-1796

Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Facsimile No.: 651-736-3833